

1 CLAIMS

2 I claim:

- 1 1. A controllably rotatable seat, which comprises:
2 a seat;
3 an arm attached to said seat;
4 a means for rotating said arm and said seat, said means for rotating having a point
5 of rotation;
6 a platform, said arm being rotatably attached to said platform and said means for
7 rotating being connected to said platform; and
8 a means for directing that rotation occur and directing that said seat and said arm
9 be returned substantially to the pre-rotation orientation of said arm and said seat.
- 1 2. The controllably rotatable seat as recited in claim 1, further comprising:
2 a lever arm that connects said arm to said means for rotating so that the point of
3 rotation of the means for rotating will be substantially aligned with the center of gravity
4 of a participant sitting in said seat.
- 1 3. The controllably rotatable seat as recited in claim 2, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 4. The controllably rotatable seat as recited in claim 2, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 5. The controllably rotatable seat as recited in claim 2, wherein:
2 said means for directing comprises:
3 a means for measuring a physical quantity selected from the physical
4 quantities consisting of distance, speed, and acceleration; and
5 a logic unit through which the means for measuring communicates with
6 the means for rotating.

- 1 6. The controllably rotatable seat as recited in claim 5, wherein:
2 said logic unit is programmable.
- 1 7. The controllably rotatable seat as recited in claim 2, wherein:
2 said arm and, consequently, said seat rotates at least ninety degrees.
- 1 8. The controllably rotatable seat as recited in claim 7, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 9. The controllably rotatable seat as recited in claim 7, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 10. The controllably rotatable seat as recited in claim 7, wherein:
2 said means for directing comprises:
3 a means for measuring a physical quantity selected from the physical
4 quantities consisting of distance, speed, and acceleration; and
5 a logic unit through which the means for measuring communicates with
6 the means for rotating.
- 1 11. The controllably rotatable seat as recited in claim 10, wherein:
2 said logic unit is programmable.
- 1 12. The controllably rotatable seat as recited in claim 7, further comprising:
2 a means for retaining a participant to said seat.
- 1 13. The controllably rotatable seat as recited in claim 12, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 14. The controllably rotatable seat as recited in claim 12, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.

- 1 15. The controllably rotatable seat as recited in claim 12, wherein:
2 said means for directing comprises:
3 a means for measuring a physical quantity selected from the physical
4 quantities consisting of distance, speed, and acceleration; and
5 a logic unit through which the means for measuring communicates with
6 the means for rotating.
- 1 16. The controllably rotatable seat as recited in claim 15, wherein:
2 said logic unit is programmable.
- 1 17. The controllably rotatable seat as recited in claim 2, further comprising:
2 a means for retaining a participant to said seat.
- 1 18. The controllably rotatable seat as recited in claim 17, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 19. The controllably rotatable seat as recited in claim 17, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 20. The controllably rotatable seat as recited in claim 17, wherein:
2 said means for directing comprises:
3 a means for measuring a physical quantity selected from the physical
4 quantities consisting of distance, speed, and acceleration; and
5 a logic unit through which the means for measuring communicates with
6 the means for rotating.
- 1 21. The controllably rotatable seat as recited in claim 20, wherein:
2 said logic unit is programmable.
- 1 22. The controllably rotatable seat as recited in claim 1, wherein:
2 said arm and, consequently, said seat rotates at least ninety degrees.
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- 1 23. The controllably rotatable seat as recited in claim 22, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 24. The controllably rotatable seat as recited in claim 22, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 24. The controllably rotatable seat as recited in claim 22, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 26. The controllably rotatable seat as recited in claim 25, wherein:
2 said logic unit is programmable.
- 1 27. The controllably rotatable seat as recited in claim 22, further comprising:
2 a means for retaining a participant to said seat.
- 1 28. The controllably rotatable seat as recited in claim 27, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 29. The controllably rotatable seat as recited in claim 27, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 30. The controllably rotatable seat as recited in claim 27, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.

- 1 31. The controllably rotatable seat as recited in claim 30, wherein:
2 said logic unit is programmable.
- 1 32. The controllably rotatable seat as recited in claim 1, further comprising:
2 a means for retaining a participant to said seat.
- 1 33. The controllably rotatable seat as recited in claim 32, wherein:
2 said means for directing comprises a timer in communication with said means for
3 rotating.
- 1 34. The controllably rotatable seat as recited in claim 32, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 35. The controllably rotatable seat as recited in claim 32, wherein:
2 said means for directing comprises:
3 one or more targets; and
4 a sensor capable of detecting said targets, said sensor communicating with
5 said means for rotating.
- 1 36. The controllably rotatable seat as recited in claim 35, wherein:
2 said logic unit is programmable.
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